

**5. Scatterplots.**

- a) None of the scatterplots show little or no association, although # 4 is very weak.
- b) #3 and #4 show negative association. Increases in one variable are generally related to decreases in the other variable.
- c) #2, #3, and #4 each show a straight association.
- d) #2 shows a moderately strong association.
- e) #1 and #3 each show a very strong association. #1 shows a curved association and #3 shows a straight association.

**7. Performance IQ scores *vs.* brain size.**

The scatterplot of IQ scores *vs.* Brain Sizes is scattered, with no apparent pattern. There appears to be little or no association between the IQ scores and brain sizes displayed in this scatterplot.

**10. Coffee sales.**

- a) A histogram of daily sales is at the right.
- b) The scatterplot shows that, in general, the sales have been increasing over time. The histogram does not show this.
- c) The histogram shows that the mean of the daily sales for the coffee shop was between \$300 and \$400, and that this happened on 8 days. The scatterplot does not show this.

